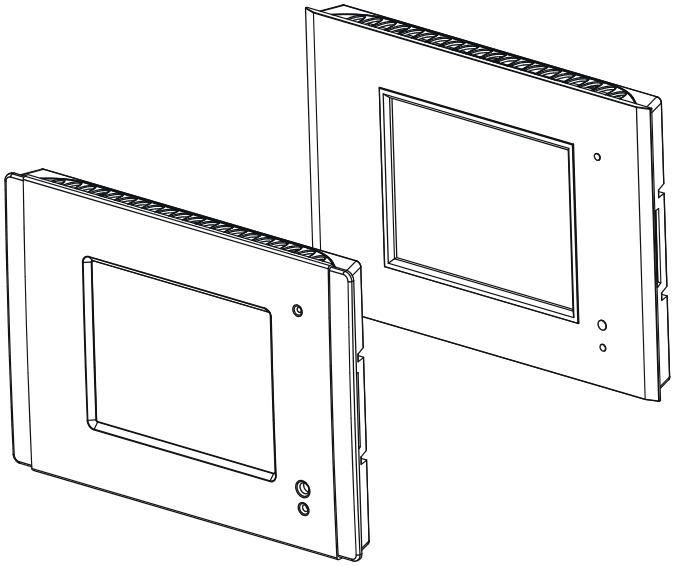
CLIPSAL
LIVING ELECTRICAL

C-Bus

C-Touch Colour Touch Screen

User's Guide

50xxCTC2 Series



TWO YEAR WARRANTY 2

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1.0 Product Range

Product	Facia Style	Catalogue Number
C-Touch Colour Touch Screen	Grey and brushed aluminium Neo	5050CTC2,GB
	White Neo	5050CTC2,WE
	Black Neo	5050CTC2,BK
	White and brushed aluminium Neo	5050CTC2-28
	Stainless steel	BS5000CTC2
	Brass	BB5000CTC2
	White Saturn	5080CTC2,GF
	Black Glass Saturn	5080CTC2-6
	Cream Glass Saturn	5080CTC2-3
	Mid-Brown Saturn	5080CTC2-7
Power Supply (Non-UK, for 50xxCTC2 models only)		5000CTCPS/2
Power Supply (UK, for 50xxCTC2 models only)		5000CTCPS/2B
Infrared Remote Control		5035TX

2.0 Description

The C-Touch Colour Touch Screen (C-Touch Colour) is a flexible controller and scheduler for C-Bus systems. It has infrared remote control capability and a backlit colour liquid crystal display (LCD). The unit mounts in a wall, and connects to the C-Bus automation system, providing control and scheduling of services throughout a home or commercial premises.

The C-Touch Colour displays a series of touch sensitive pages that are associated with various lights or other electrical appliances on the C-Bus network. You can use the unit to trigger "scenes" where multiple appliances switch on together, setting a particular mood at the press of a button. You can also control appliances according to a schedule.

The C-Touch Colour can be connected to the Clipsal StarServe® system, allowing it to be controlled from any location where a Clipsal StarServe

infrared target is located. With the support of a Clipsal StarServe modulator, the C-Touch Colour video output can be displayed on any TV attached to the Clipsal StarServe system.

The appearance of every C-Touch Colour setup is unique, so your display may look different to the examples in this guide. Your installer is responsible for the configuration and features of your unit. Refer to them for details of your customised system.

3.0 Definitions

Term	Definition
load	An electrical device (such as a light) connected to a C-Bus output unit (such as a dimmer).
scene	A series of actions across multiple outputs, triggered by a single button. For example, on arrival home you could use a scene to switch on lights in the hallway and kitchen, dim lights in the lounge, and switch on a heater.
schedule	A sequence of events to occur at particular times or dates in the future.
backlight	The light behind the LCD screen providing visibility in varying lighting conditions.

4.0 Capabilities

Depending on its configuration, you can use the C-Touch Colour Touch Screen to:

- switch and dim lights and other electrical appliances
- switch off lights and appliances using a timer
- automatically control lights and appliances via a schedule
- simultaneously control multiple appliances from a single button (using scenes)
- activate C-Touch Colour functions by remote control
- adjust the time and date
- monitor a room or other area via an IP camera
- view HTML compatible pages over a network
- view C-Bus and other information on a TV monitor.

Figure 1 – The C-Touch Colour Touch Screen

5.0 Using the C-Touch Colour

The C-Touch Colour is configured with software customised for a particular environment (such as your home or office). The software typically presents a main page with buttons that link to other pages.

Most pages contain buttons that control appliances such as lights, fans and curtains. Some pages contain slider controls or radio buttons that adjust lighting levels or select from a range of options. Pages can also display local or networked HTML documents, or a video feed from an IP camera (such as in Figure 2).

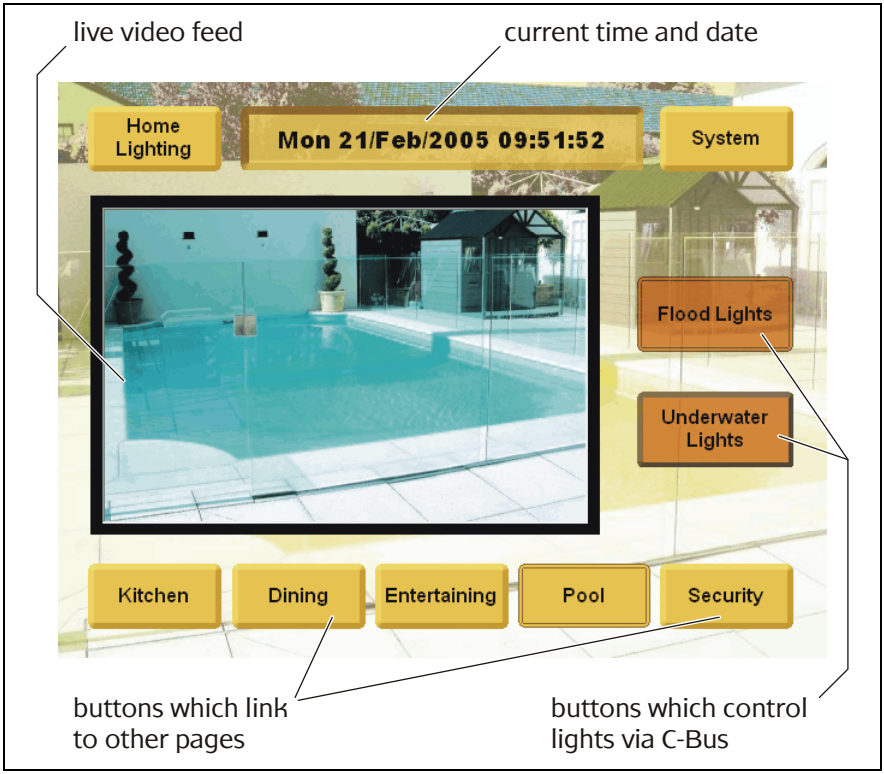

Figure 2 – A C-Touch Colour page which displays a live video feed

Figure 3 shows an example C-Touch page used to control the lights and fans in a kitchen. The page includes:

- scene buttons which set appliances to specific levels. For example, the Cooking button sets the kitchen and bench lights to their highest levels and switches the exhaust and range hood fans on
- switch buttons which allow you to toggle appliances on and off
- sliders which allow you to adjust (dim) specific lighting levels, by touching the slider with your finger and dragging up or down
- buttons which link to other pages.

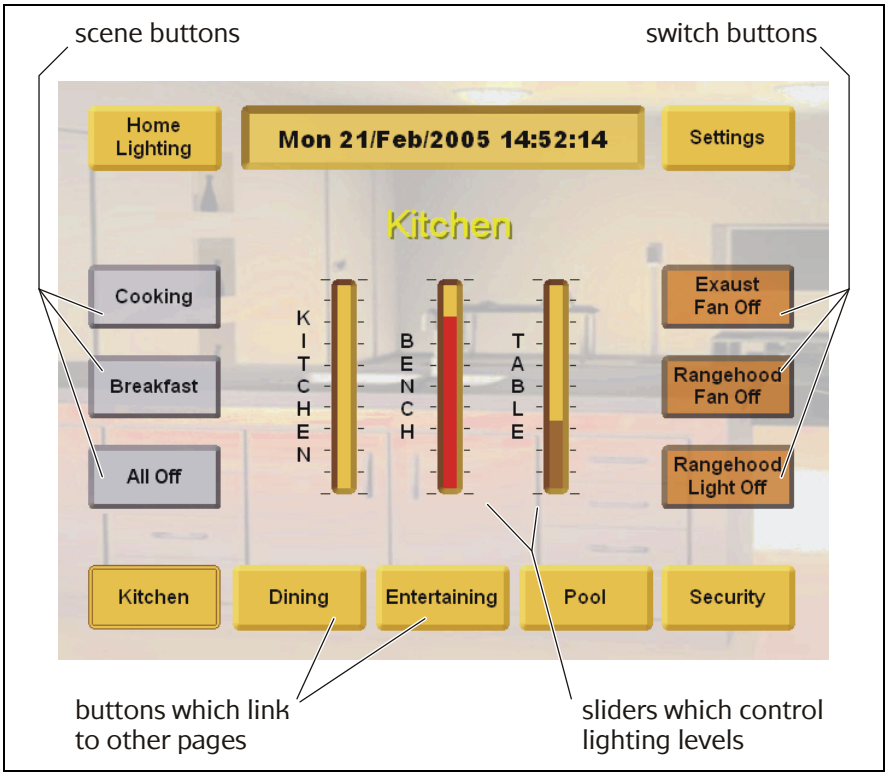

Figure 3 – A page used to control kitchen lights and fans

5.1 Configuration Page

The C-Touch Colour software includes a configuration page, such as the one in Figure 4. This allows you to customise your unit. The configuration page may have a different name, such as Tools, Utilities, Setup, Settings or System.

Depending on your installation, the configuration page may allow you to:

- set or change the time and date
- change the region or language
- temporarily ignore screen presses (Cleaning Mode)
- adjust sound settings
- adjust the backlight
- set or change a password
- calibrate the screen
- configure the unit's networking settings.

Figure 4 – An example configuration page

6.0 Remote Control

The C-Touch Colour is supplied with an Infrared Remote Control, which allows you to control appliances from a distance. You can use the remote to trigger scenes, switch appliances and adjust lighting levels, depending on how the C-Touch Colour was configured by the installer.

If you have multiple C-Touch units (Colour or Monochrome), you can use the same remote control with each of them. The remote has a range of approximately 8 metres from the IR receiver at 90° to the C-Touch Colour, or 4 metres at 60° degrees. This is illustrated in Figure 5.

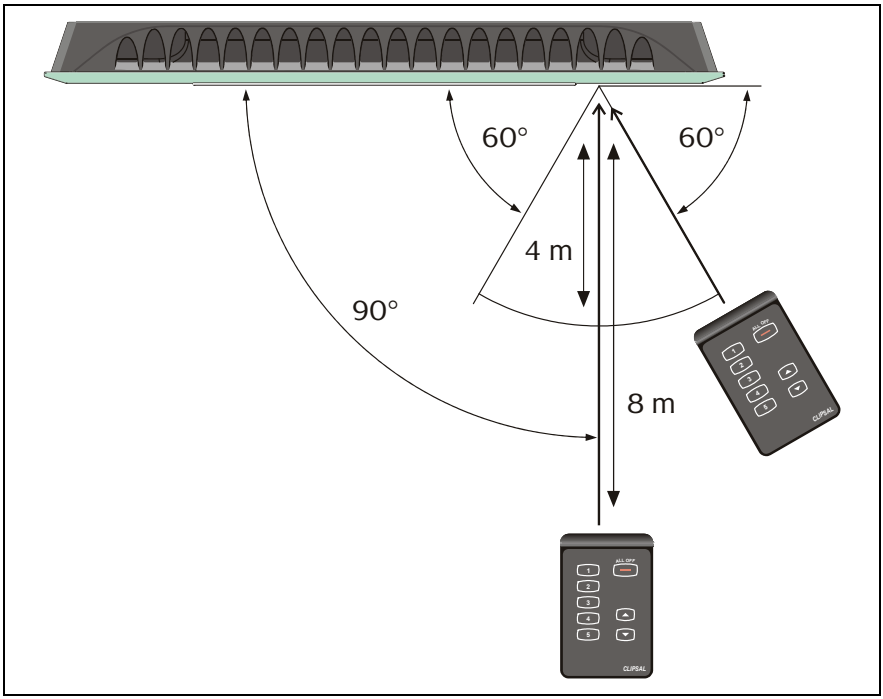

Figure 5 – Remote control range

The Infrared Remote Control is supplied with a CR2025 (or equivalent) coin type lithium battery (pre-installed). The battery location is shown in Figure 6.

A universal remote control with learning capability (such as the Clipsal 5030URC) can be used to control C-Touch units. Please follow the directions of your learning remote.

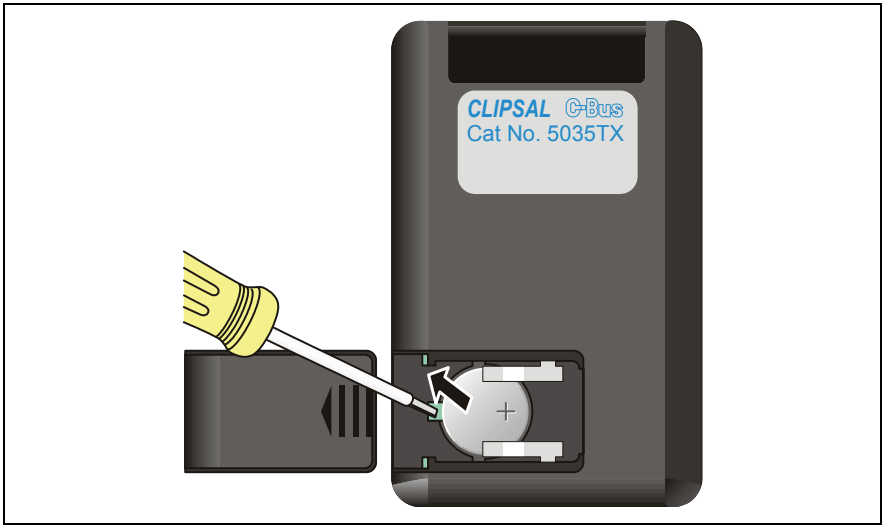

Figure 6 – Replacing the remote control battery

7.0 Scenes

One of the benefits of an automation system is the combining together of events to create a special effect. An example of this is the commencement of a movie at the cinema, where the house lights dim, the curtains open and the movie begins to play. You can reproduce this effect by creating a scene triggered by your C-Touch Colour unit. Almost anything on your C-Bus system can be included in a scene. Ask your installer for information on how scenes can be used to set special moods.

8.0 Schedules

A schedule is used to make something happen at a particular time. Since this feature is included in the C-Touch Colour, you can ask your installer to include schedules that perform household chores on a regular basis. An example would be to turn the lights on and off when you are away from home to make the house look lived in. You can create the impression that someone is home and moving from room to room at various times. Another example is something often forgotten such as watering the garden on a regular basis.

C-Touch Colour schedules are created by your installer, using special software.

9.0 Care Instructions

The C-Touch Colour contains electrical and electronic parts to support its powerful functions. Note the following precautions:

- Clean regularly using a soft lint free cloth (use the Cleaning Mode button to avoid undesired triggering of events).
- Do not use chemicals or spray cleaners when cleaning.
- Do not operate with wet hands.
- Do not use hard, sharp objects to select the controls.
- Allow adequate ventilation. Do not cover the unit.
- C-Touch Colour is designed for indoor use only.
- Do not expose to direct sunlight for extended periods.

Warm airflow produced from the vents located at the top of the unit may cause discolouration of some surfaces over time.

no wet hands | no cleaner spray | no coverage | no direct sunshine | no dust

10.0 Product Specifications

C-Touch Colour Touch Screen

Parameter	Description
Supply voltage	5 V DC, 30 W maximum via power pack*
Display type	6.4 inch (16.3 cm) TFT Colour Active Matrix LCD
Display resolution	640 × 480 pixels
Display luminance	300 cd/m²
Display contrast ratio	better than 100:1
Viewing angle	left, right, down: 70°; up: 40°
Backlight lifetime (typical)	50,000 hours, factory exchangeable
Touch surface durability	35 million touches in any one location, 1 million touch slides
C-Bus supply voltage	15 to 36 V DC @ 20 mA required for normal operation. Does not provide current to the C-Bus network
C-Bus control functions	Load switching and dimming, scene control, scheduling
C-Bus connection	2 × C-Bus RJ45 (parallel)
C-Bus System Clock	Software selectable
Video connection	1 × Composite Video Out (75 Ω RCA) PAL or NTSC selectable
Other connections	2 × USB type A, 2 × Ethernet RJ45 (one on front, one on rear), RS-232 DB9, Audio Line In (3.5 mm stereo), Audio Line Out (3.5 mm stereo), Infrared In (3.5 mm mono), PS2 keyboard, 7 pin Power
Processor	VIA Eden Chipset, 300 MHz
Warm up time	2 minutes
Operating temperature range	10 to 30 °C (50 to 86 °F)
Operating humidity range	10 to 90% RH (non-condensing)

Infrared Remote Control

Parameter	Description
Supply voltage	3 V DC required for normal operation. Transmission range reduces with decreasing battery voltage
Battery	Lithium 'coin' battery CR2025 (or equivalent)
Battery shelf life	Approximately ten years
Infrared transmission range	Approximately 8 metres at 90° or 4 metres at 60° to C-Touch Colour
Control functions	8 membrane buttons comprising 5 general purpose buttons, 1 master off button, up/down buttons

Power Supply*

Parameter	Description
Supply voltage	90 to 264 V AC, 50/60 Hz
Supply cables	4 m mains input (C8 plug), 20 m DC output (variable)
Operating temperature range	0 °C to 60 °C (32 to 140 °F)

* The provided C-Touch Colour Power Supply must be used. Failure to do so will void the warranty.

11.0 Warranty

The C-Touch Colour Touch Screen carries a two-year warranty against manufacturing defects, with the exception of the 5035TX Infrared Remote Control's battery, that is limited to 30 days.

Warranty Statement

1) The benefits conferred herein are in addition to, and in no way shall be deemed to derogate; either expressly or by implication, any or all other rights and remedies in respect to Clipsal Integrated Systems Product, which the consumer has under the Commonwealth Trade Practices Act or any other similar State or Territory Laws.
2) The warrantor is Clipsal Australia Pty Ltd, with registered offices in all Australian States.
3) This Clipsal Integrated Systems Product is guaranteed against faulty workmanship and materials for a period of two (2) years from the date of installation.
4) Clipsal Australia Pty Ltd reserves the right, at its discretion, to either repair free of parts and labour charges, replace or offer refund in respect to any article found to be faulty due to materials, parts or workmanship.
5) This warranty is expressly subject to the Clipsal Integrated Systems Product being installed, wired, tested, operated and used in accordance with the manufacturer's instructions.
6) All costs of a claim shall be met by Clipsal Australia Pty Ltd, however should the product that is the subject of the claim be found to be in good working order, all such costs shall be met by the claimant.
7) When making a claim, the consumer shall forward the Clipsal Integrated Systems Product to the nearest office of Clipsal Australia Pty Ltd with adequate particulars of the defect within 28 days of the fault occurring. The product should be returned securely packed, complete with details of the date and place of purchase, description of load, and circumstances of malfunction.

For all warranty enquiries, contact your local Clipsal sales representative. The address and contact number of your nearest Clipsal Australia office can be found at http://www.clipsal.com/locations or by telephoning Technical Support (refer to back page).

12.0 Installer Details

Parameter	Description
Name	
Company	
Address	
City / Suburb	
State	
Postcode / Zipcode	
Country	
Voice Phone	
Mobile Phone	
Facsimile	
Email	
Web	

Notes

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Technical Support and Troubleshooting

For further assistance in using this product, consult your nearest Clipsal Integrated Systems (CIS) Sales Representative or Technical Support Officer.

Technical Support Contact Numbers	
Australia	1300 722 247 (CIS Technical Support Hotline)
New Zealand	0800 888 219 (CIS Technical Support Hotline)
Northern Asia	+852 2484 4157 (Clipsal Hong Kong)
South Africa	011 314 5200 (C-Bus Technical Support)
Southern Asia	+603 7665 3555 Ext. 236 or 242 (CIS Malaysia)
United Kingdom	0870 608 8 608 (Schneider Electric Support)

Technical Support email: tech.training@clipsal.com.au

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